



TRASH CAPTURE STORM WATER QUALITY MANAGEMENT PLAN (SWQMP) TEMPLATE E-35A

Development Services

Land Development Engineering

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TRASH CAPTURE SWQMP OUTLINE

[The following outline describes what is expected in the Trash Capture SWQMP. Do not include the following outline as a part of the Trash Capture SWQMP.]

Section	Content Description
Title Page	
Table of Contents	
Certification Page	This template contains suggested content for a certification page. This may be replaced by jurisdiction specific certification page
Project Vicinity Map	Placeholder for applicant to insert a vicinity map, required for all projects
City Storm Water Standards Questionnaire Form E-34	i.e., is this project a development project subject to storm water requirements? which requirements apply?
Site Information Checklist	Base information about the project site that usually remains the same even as structural BMP designs evolve. 3B is not the place to put BMP information – BMP information goes in Forms 4, 5 and 6, and Attachments.
City Standard Project Requirement Checklist Form E-36	Project applicant must acknowledge/answer each required source control BMP. Project applicant must acknowledge/answer each required site design BMP
Summary of Trash Capture BMPs	Project applicant to identify each structural BMP to be implemented, identify party responsible for certification following construction, future owner, and party responsible for on-going maintenance into perpetuity. BMP design information will be included in Attachments 1 and 2.
Attachment 1: Backup for Trash Capture BMPs	There are several required elements in this backup for pollutant control. The Attachment cover page lists the required elements as a checklist for what the applicant should include in the Attachment.
Attachment 1a: DMA Exhibit	A checklist of the minimum elements of the DMA Exhibit is provided at the back of the attachment 1 cover sheet.
Attachment 1b: Tabular Summary of DMAs	
Attachment 1c: Trash Capture BMP Design Worksheets/Calculations	Project applicant to insert all applicable trash capture BMP sizing calculations including sizing worksheets, hand calculations, custom spreadsheets created by the applicant, etc.
Attachment 2: Trash Capture BMP Maintenance Thresholds and Actions	Checklists for the contents of this attachment are provided – requirements for this information will vary depending on project status.
Attachment 3: City standard Trash Capture BMP Exhibit	A checklist of required elements to show on the plans is provided. This is a comprehensive site plan (24" x 36" size) of the project showing the type and locations of Trash Capture, Site Design, LID and Source Control BMP's. Use the City's template trash capture BMP plan, latest version.

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Certification Page

Project Vicinity Map

FORM E-34 Storm Water Standard Questionnaire

Site Information

FORM E-36 Standard Project Requirement Checklist

Summary of Trash Capture Structural BMPs

Attachment 1: Backup for Trash Capture BMPs

 Attachment 1a: DMA Exhibit

 Attachment 1b: Tabular Summary of DMAs

 Attachment 1c: Trash Capture BMP Design Calculations

Attachment 2: Trash Capture BMP Maintenance Thresholds and Actions

Attachment 3: Single Sheet BMP (SSBMP) Exhibit

CERTIFICATION PAGE

Project Name: [Insert]
Project ID: [Insert]

I hereby declare that I am the Engineer in Responsible Charge of design of storm water BMPs for this project, and that I have exercised responsible charge over the design of the project as defined in Section 6703 of the Business and Professions Code, and that the design is consistent with the requirements of the BMP Design Manual, which is based on the requirements of SDRWQCB Order No. R9-2013-0001 (MS4 Permit) or the current Order.

I have read and understand that the City Engineer has adopted minimum requirements for managing urban runoff, including storm water, from land development activities, as described in the BMP Design Manual. I certify that this SWQMP has been completed to the best of my ability and accurately reflects the project being proposed and the applicable source control and site design BMPs proposed to minimize the potentially negative impacts of this project's land development activities on water quality. I understand and acknowledge that the plan check review of this SWQMP by the City Engineer is confined to a review and does not relieve me, as the Engineer in Responsible Charge of design of storm water BMPs for this project, of my responsibilities for project design.

Engineer of Work's Signature, PE Number & Expiration Date

Print Name

Company

Date

PROJECT VICINITY MAP

[Insert City's Storm Water Standard Questionnaire (Form E-34) here]

SITE INFORMATION CHECKLIST

Project Summary Information	
Project Name	
Project ID	
Project Address	
Assessor's Parcel Number(s) (APN(s))	
Project Watershed (Hydrologic Unit)	Carlsbad 904
Parcel Area	_____ Acres (_____ Square Feet)

Description of Existing Site Condition and Drainage Patterns

Select applicable Land Use Category:

High Density Residential

- ☐ R-23 (15-23 du/ac)
- ☐ R-30 (23-30 du/ac)

Industrial

- ☐ PI (Planned Industrial)

Commercial

- ☐ CF (Community Facilities)
- ☐ GC (General Commercial)
- ☐ L (Local Shopping Center)
- ☐ R (Regional Commercial)
- ☐ V-B (Village-Barrio)
- ☐ VC (Visitor Commercial)
- ☐ O (Office)
- ☐ VC/OS (Visitor Commercial/Open Space)

Mixed Urban

- ☐ PI/O (Planned Industrial/Office)

- ☐ Public Transportation Stations

Description / Additional Information:

Description of Existing Site Topography and Drainage [How is storm water runoff conveyed from the site? At a minimum, this description should answer (1) whether existing drainage conveyance is natural or urban; (2) describe existing constructed storm water conveyance systems, if applicable; and (3) is runoff from offsite conveyed through the site? if so, describe]:

Description of Proposed Site Development and Drainage Patterns
Project Description / Proposed Land Use and/or Activities:
Does the project include grading and changes to site topography? <input type="checkbox"/> Yes <input type="checkbox"/> No Description / Additional Information:
Does the project include changes to site drainage (e.g., installation of new storm water conveyance systems)? <input type="checkbox"/> Yes <input type="checkbox"/> No Description / Additional Information:
Optional Additional Information or Continuation of Previous Sections As Needed This space provided for additional information or continuation of information from previous sections as needed.

[Insert City's Standard Project Requirement Checklist Form E-36 (here)]

SUMMARY OF TRASH CAPTURE BMPS

Trash Capture BMPs

All projects subject to trash capture requirements must implement trash capture BMPs (see Chapter 4 of the BMP Design Manual). Selection of trash capture BMPs must be based on the selection process described in Chapter 4.

Trash capture BMPs must be verified by the City at the completion of construction. This may include requiring the project owner or project owner's representative to certify construction of the trash capture BMPs (see Section 1.12 of the BMP Design Manual). Trash capture BMPs must be maintained into perpetuity, and the City must confirm the maintenance (see Section 7 of the BMP Design Manual).

Use this form to provide narrative description of the general strategy for trash capture BMP implementation at the project site in the box below. Then complete the trash capture BMP summary information sheet for each trash capture BMP within the project (copy the BMP summary information page as many times as needed to provide summary information for each trash capture BMP).

Describe the general strategy for trash capture BMP implementation at the site. This information must describe how the steps for selecting and designing trash capture BMPs presented in Section 4.4 of the BMP Design Manual were followed, and the results (type of BMPs selected).

[Continue on next page as necessary.]

[Continued from previous page – This page is reserved for continuation of description of general strategy for trash capture BMP implementation at the site.]

Trash Capture BMP Summary Information			
BMP ID No.	Type of Trash Capture BMP	Permit No.	Drawing No.

ATTACHMENT 1

BACKUP FOR TRASH CAPTURE BMPS

This is the cover sheet for Attachment 1.

Check which Items are Included behind this cover sheet:

Attachment Sequence	Contents	Checklist
Attachment 1a	DMA Exhibit (Required) See DMA Exhibit Checklist on the back of this Attachment cover sheet. (24"x36" Exhibit typically required)	<input type="checkbox"/> Included
Attachment 1b	Tabular Summary of DMAs Showing DMA ID matching DMA Exhibit, DMA Area, and DMA Type (Required)* *Provide table in this Attachment OR on DMA Exhibit in Attachment 1a	<input type="checkbox"/> Included on DMA Exhibit in Attachment 1a <input type="checkbox"/> Included as Attachment 1b, separate from DMA Exhibit
Attachment 1c	Trash Capture BMP Design Worksheets / Calculations (Required) Refer to Appendices J of the BMP Design Manual for trash capture BMP design guidelines	<input type="checkbox"/> Included

Use this checklist to ensure the required information has been included on the DMA Exhibit:

The DMA Exhibit must identify:

- ☐ Site topography and impervious areas
- ☐ Site drainage network and connections to drainage offsite
- ☐ Proposed grading (if applicable)
- ☐ Drainage management area (DMA) boundaries, DMA ID numbers, and DMA areas (square footage or acreage)
- ☐ Trash Capture BMPs (identify location and type of BMP)

ATTACHMENT 2
Trash Capture BMP Maintenance Information

Use this checklist to ensure the required information has been included in the Structural BMP Maintenance Information Attachment:

Preliminary Design/Planning/CEQA level submittal:

Attachment 2 must identify:

- ☐ Typical maintenance indicators and actions for proposed trash capture BMP(s) based on Section 7.7 of the BMP Design Manual

Final Design level submittal:

Attachment 2 must identify:

- ☐ Specific maintenance indicators and actions for proposed trash capture BMP(s). This shall be based on Section 7.7 of the BMP Design Manual and enhanced to reflect actual proposed components of the trash capture BMP(s)
- ☐ How to access the trash capture BMP(s) to inspect and perform maintenance
- ☐ Features that are provided to facilitate inspection (e.g., observation ports, cleanouts, silt posts, or other features that allow the inspector to view necessary components of the trash capture BMP and compare to maintenance thresholds)
- ☐ Manufacturer and part number for proprietary parts of trash capture BMP(s) when applicable
- ☐ Maintenance thresholds for BMPs subject to siltation or heavy trash (e.g., silt level posts or other markings shall be included in all BMP components that will trap and store sediment, trash, and/or debris, so that the inspector may determine how full the BMP is, and the maintenance personnel may determine where the bottom of the BMP is . If required, posts or other markings shall be indicated and described on structural BMP plans.)
- ☐ Recommended equipment to perform maintenance
- ☐ When applicable, necessary special training or certification requirements for inspection and maintenance personnel such as confined space entry or hazardous waste management

ATTACHMENT 3
City standard Trash Capture BMP Exhibit

[Use the City's standard Trash Capture BMP Plan.]